

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 11-12, 22-23, 33-34, 36, and 40 and ADD new claim 41 in accordance with the following:

1. (Currently Amended) An information display method comprising:
displaying information in a predetermined display area;
detecting a manipulation of changing a display block of the information displayed in the predetermined display area;
displaying the information by changing display attributes of a portion of the displayed information including a portion newly displayed in accordance with the detection of the changing manipulation, wherein the display attributes include at least one of a display size of a plurality of elements structuring the information, and a pitch between the plurality of elements structuring the information; and
providing at least one of a ~~forehead~~leading line in a direction of the manipulation and a ~~forehead~~leading column in a direction of the manipulation within the predetermined display area in which the display attributes of the plurality of elements structuring the information are not changed.
2. (Previously Presented) An information display method according to claim 1, wherein the display size and/or pitch of each of elements structuring the information includes a scaling factor in a moving direction of the display block.
3. (Original) An information display method according to claim 2, wherein the display size or the pitch defined as the attribute is scaled down smaller than in a normal display state for displaying the information in the predetermined display area.
4. (Original) An information display method according to claim 1, wherein the information is displayed in a way that changes the attribute in a direction of changing the display block.

5. (Original) An information display method according to claim 2, wherein the information is text information,
the structuring elements are characters of the text information, and
during the changing manipulation, the text information is displayed in different character sizes or at different character pitches between one or more specified lines within the display area and lines other than the specified lines, or between one or more specified columns within the display area and columns other than the specified columns, or between specified segments in the display area and a region excluding the specified segments.
6. (Original) An information display method according to claim 1, wherein during the changing manipulation, the information is displayed in a way that sets a different attribute corresponding to a position in the display area.
7. (Original) An information display method according to claim 1, wherein during the changing manipulation, the information with the attribute changed is displayed in a part within the predetermined display area, and
the information is displayed with a different attribute in other part within the display area.
8. (Original) An information display method according to claim 1, wherein during the changing manipulation, the information with the attribute changed is displayed in the predetermined display area, and
the information is displayed with a different attribute in a display area different from the former display area.
9. (Original) An information display method according to claim 1, wherein the attribute is set based on a speed at which the display block is changed.
10. (Original) An information display method according to claim 1, wherein the information is text information, and
the structuring elements are characters of the text information.
11. (Currently Amended) An information display method comprising:

selecting a range of information from processing target information;
calculating a size of the range of information;
changing an attribute of the information, wherein, when the size of the selected range of information exceeds a size with which the information is displayable within a predetermined display area, the information in the selected range is displayed within the display area by changing the attribute of the information in the selected range; and
providing at least one of a ~~forehead~~leading line or ~~forehead~~leading column within the predetermined display area in which the attribute of the information is not changed.

12. (Currently Amended) An information processing system comprising:
a display control unit displaying processing target information in a predetermined display area;
a detection unit detecting a manipulation of changing a display block of the information displayed in the predetermined display area; and
a display information control unit controlling the information displayed in the display area by changing display attributes of a portion of the displayed information including a portion newly displayed in accordance with the detection of the changing manipulation, wherein
the display attributes include at least one of a display size of a plurality of elements structuring the information, and a pitch between the plurality of elements structuring the information, and
at least one of a ~~forehead~~leading line in a direction of the manipulation and a ~~forehead~~leading column in a direction of the manipulation within the predetermined display area in which the display attributes of the plurality of elements structuring the information are not changed.

13. (Previously Presented) An information processing system according to claim 12, wherein the display size and/or pitch of each of elements structuring the information includes a scaling factor in a moving direction of the display block.

14. (Original) An information processing system according to claim 13, wherein said display information control unit scales down the display size or the pitch defined as the attribute smaller than in a normal display state for displaying the information in the predetermined display area.

15. (Original) An information processing system according to claim 12, wherein said display information control unit gets the information displayed in a way that changes the attribute in a direction of changing the display block.

16. (Original) An information processing system according to claim 13, wherein the information is text information,
the structuring elements are characters of the text information, and
said display information control unit, during the changing manipulation, gets the text information displayed in different character sizes or at different character pitches between one or more specified lines within the display area and lines other than the specified lines, or between one or more specified columns within the display area and columns other than the specified columns, or between specified segments in the display area and a region excluding the specified segments.

17. (Original) An information processing system according to claim 12, wherein said display information control unit, during the changing manipulation, gets the information displayed in a way that sets a different attribute corresponding to a position in the display area.

18. (Original) An information processing system according to claim 12, wherein said display information control unit, during the changing manipulation, gets the information with the changed attribute displayed in a part within the predetermined display area, and gets the information displayed with a different attribute in other part within the display area.

19. (Original) An information processing system according to claim 12, wherein said display information control unit, during the changing manipulation, gets the information with the changed attribute displayed in the predetermined display area, and gets the information displayed with a different attribute in a display area different from the former display area.

20. (Original) An information processing system according to claim 12, wherein said display information control unit sets the attribute on the basis of a speed at which the display block is changed.

21. (Original) An information processing system according to claim 12, wherein the information is text information, and the structuring elements are characters of the text information.

22. (Currently Amended) An information processing system comprising:
a manipulation unit selecting a range of information from processing target information;
a calculation unit calculating a size of the range of information; and
an attribute changing unit changing an attribute of a plurality of elements structuring the information, wherein

said attribute changing unit, when the size of the selected range of information exceeds a size with which the information is displayable within a predetermined display area, displays the information in the selected range within the display area by changing the attribute of the information in the selected range, and

at least one of a ~~forehead~~leading line and a ~~forehead~~leading column within the predetermined display area in which the attribute of the plurality of elements structuring the information is not changed.

23. (Currently Amended) A storage medium readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method functions comprising:

displaying information in a predetermined display area;
detecting a manipulation of changing a display block of the information displayed in the predetermined display area; and

displaying the information by changing display attributes of a portion of the displayed information relating to a newly displayed portion in accordance with the detection of the changing manipulation, wherein the display attributes include a display size of a plurality of elements structuring the information, and a pitch between the plurality of elements structuring the information; and

providing at least one of a ~~forehead~~leading line in a direction of the manipulation and ~~forehead~~leading column in a direction of the manipulation within the predetermined display area in which the display attributes of the plurality of elements structuring the information are not changed.

24. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein the display size and/or pitch of each of elements structuring the information includes a scaling factor in a moving direction of the display block.

25. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 24, wherein the display size or the pitch defined as the attribute is scaled down smaller than in a normal display state for displaying the information in the predetermined display area.

26. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein the information is displayed in a way that changes the attribute in a direction of changing the display block.

27. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 24, wherein the information is text information, the structuring elements are characters of the text information, and during the changing manipulation, the text information is displayed in different character sizes or at different character pitches between one or more specified lines within the display area and lines other than the specified lines, or between one or more specified columns within the display area and columns other than the specified columns, or between specified segments in the display area and a region excluding the specified segments.

28. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein during the changing manipulation, the information is displayed in a way that sets a different attribute corresponding to a position in the display area.

29. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein during the changing manipulation, the information with the attribute changed is displayed in a part within the predetermined display area, and the information is displayed with a different attribute in other part within the display area.

30. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein during the changing manipulation, the information with the attribute changed is displayed in the predetermined display area, and the information is displayed with a different attribute in a display area different from the former display area.

31. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein the attribute is set based on a speed at which the display block is changed.

32. (Previously Presented) A storage medium readable by a machine tangibly embodying a program according to claim 23, wherein the information is text information, and the structuring elements are characters of the text information.

33. (Currently Amended) A storage medium readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method functions comprising:

selecting a range of information from processing target information;

calculating a size of the selected range of information; and changing an attribute of a plurality of elements structuring the information, wherein, when the size of the selected range of information exceeds a size with which the information is displayable within a predetermined display area, the information in the selected range is displayed within the display area by changing the attribute of a plurality of elements structuring the information in the selected range; and

providing at least one of a ~~forehead~~leading line and ~~forehead~~leading column within the predetermined display area in which the attribute of the plurality of elements structuring the information is not changed.

34. (Currently Amended) An information display method comprising:
displaying text in a predetermined display area;
detecting a manipulation of scrolling a display block of the text displayed in the display area;
displaying the text by changing an attribute of the text in a predetermined partial

display area in the predetermined display area with the detection of the scrolling manipulation; and

providing at least one of a ~~forehead~~leading line in a direction of the manipulation or ~~forehead~~leading column in a direction of the manipulation within the predetermined display area wherein the attribute of the text is not changed.

35. (Previously Presented)) An information processing system configured to perform a method according to claim 34.

36. (Currently Amended) A method of display scrolling, the method comprising:
providing a document and a scrolling interface where a user smoothly scrolls different portions of the document through a scroll view area on a display;

providing display attributes of characters structuring the document;

when the user is not scrolling the document, automatically displaying the portion of the document displayed in the scroll view area such that characters of the document in the scroll view area are displayed with a first display attribute;

when the user is scrolling the document, automatically displaying the portion of the document displayed in the scroll view area such that characters of the document in a predetermined partial scroll view area in the scroll view area are displayed with a second display attribute that is different than the first display attribute, where a same character is automatically displayed with the second display attribute when it is being scrolled than when it is not being scrolled; and

providing at least one of a ~~forehead~~leading line in a scrolling direction or ~~forehead~~leading column in a scrolling direction within the display in which the display attributes of characters structuring the document are not changed.

37. (Previously Presented) method according to claim 36, wherein when the document is being scrolled more lines of text are displayed in the scroll view area than when the document is not being scrolled.

38. (Previously Presented) A method according to claim 1, further comprising:
changing a stepwise scaling factor of the displayed characters in a moving direction of the display block, wherein the stepwise scaling factor may change rectilinearly and/or curvilinearly.

39. (Canceled)

40. (Previously Presented) A method according to claim 1, wherein a range of forehead lines and/or forehead columns can be specified by a user.

41. (New) An information display method comprising:
displaying information in a predetermined display area;
displaying the information by changing display attributes of a portion of the displayed information including a portion newly displayed in accordance with a manipulation of the information; and
providing at least one of a first line in a direction of the manipulation and a first column in a direction of the manipulation within the predetermined display area in which the display attributes of the plurality of elements structuring the information are not changed.